

REMARKS

This is in response to the Office Action dated October 5, 2011 and the interview of January 10, 2012. With this response, claims 115 and 139 are amended, claim 130 is canceled, and all pending claims 115-129 and 131-142 are presented for reconsideration and favorable action.

In the Office Action, the claims were rejected based upon Gallomp in view of Roberts. With this response, claim 115 is amended and it is believed that all pending claims are in condition for allowance.

As discussed in the interview, the invention includes a number of elements that are not shown in the cited references. These include

- Detecting a condition of a battery by comparing a measured dynamic parameter to a received rating
- The determined condition being a fully charged battery and a battery which is not fully charged
- Detecting and revving of the engine based upon increased frequency of an AC ripple
- Detecting a diode or stader problem based upon AC ripple
- Detecting starting of the engine of the vehicle based upon a drop in a voltage
- Providing the cranking voltage low output if the measured starting voltage is low relative to a threshold and the battery test result is indicative of a fully charged battery
- Providing the cranking voltage normal output if the starting voltage is normal relative to a threshold and the battery test result is indicative of a fully charged battery
- Providing a charged battery output if the measured starting voltage is low relative to a threshold and the battery test result is indicative of a battery which is not fully charged

It is believed that all of the pending claims have been addressed. However, the absence of a reply to a specific rejection, issue, or comment, including the Office Action's characterizations of the art, does not signify agreement with or concession of that rejection, issue, or comment. In addition, because the arguments made above may not be exhaustive, there may be reasons for patentability of any or all pending claims (or other claims) that have not been expressed. Finally,

nothing in this paper should be construed as an intent to concede any issue with regard to any claim, except as specifically stated in this paper, and the amendment or cancellation of any claim does not necessarily signify concession of unpatentability of the claim prior to its amendment or cancellation. Applicant reserves the right to prosecute the rejection claims in further prosecution of this or related applications.

In view of the above amendments and remarks, it is believed that the present application is in condition for allowance. Consideration and favorable action are respectfully requested.

The Director is authorized to charge any fee deficiency required by this paper or credit any overpayment to Deposit Account No. 23-1123.

Respectfully submitted,

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